

## What I'd like to know most (main interest: flavor physics)

1. Are there sterile (light SM singlet)  $\nu$ 's? If yes, how many?
2. Majorana / Dirac? what if  $m^2 \not\gg \Delta m^2$  [0.05  $\rightarrow$  0.005?]
3. Absolute scale of masses? tough...
4. How small are  $\theta_{13}$  and  $\delta_{CP}$ ?
5. Confirm/refine parameters with man-made sources  
How small is  $\Delta m_{\odot}^2 / \Delta m_{\text{atm}}^2$ ? [0.1  $\rightarrow$  0.003?]
6. Signs of  $\Delta m^2$ ?
7. *CPT* violation and other “provocative” proposals

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These are interesting independent whether one can answer “theory questions”:

- Implications for TeV scale physics or “only” for GUT scale physics?
- Baryon asym. from leptogenesis? (may become very plausible; hard to prove)
- etc.

How will LHC influence  $\nu$ -land?